



## KS0296 Keyestudio Joystick Breakout Board for micro bit

### Description:

The BBC micro:bit is a powerful handheld, fully programmable, computer designed by the BBC. It was designed to encourage children to get actively involved in technical activities, like coding and electronics.

It features a 5x5 LED Matrix, two integrated push buttons, a compass, Accelerometer, and Bluetooth.

It supports the PXT graphical programming interface developed by Microsoft and can be used under Windows, MacOS, IOS, Android and many other operating systems without downloading the compiler.

Looking to do more with your BBC micro:bit? Unlock its potential with this Joystick breakout board for the BBC micro:bit! Keyestudio joystick breakout board for micro:bit comes with AMS1117 chip. You can connect the external DC4.75-12V to power for micro:bit development board.

It can be used to simulate the mouse or keyboard. Connect the on-board pins 3V、G、P0、P1 to micro:bit main board to get analog serial port, connecting the Bluetooth devices.

This breakout board also consists of 6 buttons and a joystick. Connect the button and joystick to micro:bit pins.

Connect SELECT button to P7; MODE button to P6; UP button to P10; LEFT button to P11; RIGHT button to P9; DOWN button to P8.

Connect joystick X axis to P4; Y axis to P3; Z axis to P5. You can control the external devices by reading the interface states.

### Technical Parameters:

Input Voltage : DC 4.75-12V



### Resources:

[https://wiki.keyestudio.com/KS0296 Keyestudio Joystick Breakout Board for micro bit](https://wiki.keyestudio.com/KS0296_Keyestudio_Joystick_Breakout_Board_for_micro_bit)